

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
9 June 2005 (09.06.2005)

PCT

(10) International Publication Number
WO 2005/052313 A1

(51) International Patent Classification⁷: **E21B 34/10**

(21) International Application Number:
PCT/GB2004/004890

(22) International Filing Date:
19 November 2004 (19.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0327021.2 20 November 2003 (20.11.2003) GB

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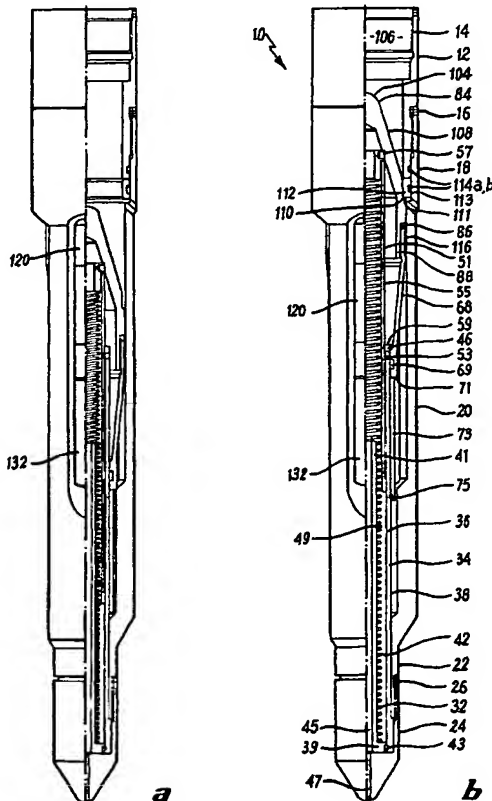
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

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(54) Title: **IMPROVED VALVE**



(57) Abstract: A valve for use in a downhole tool, the valve has an inlet (106) communicating with the work string from which it is anchored. The inlet provides a flow path of a first cross-sectional area. A sealing assembly comprising a spring biased seal cap (57) moves within an outer tubular body (84) to open and close a number of ports (120) arranged through the body. The ports provide (120) a flow path of a combined cross-sectional area greater than the first cross-sectional area and the valve is arranged such that fluid flow through the inlet (106) moves the seal cap to open the valve and create an unimpeded flow path between the inlet (106) and the ports (120) with negligible pressure drop. An embodiment including a shear ring (75) is described to facilitate pressure testing above. A further embodiment includes a load adjuster to assist in closing the valve. The valve can be a high lift injection valve.

WO 2005/052313 A1



(84) **Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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Published:

— *with international search report*